



NAWCADLKE-W70001-003

**FUEL QUANTITY
TEST SET**

**INTEGRATED LOGISTIC
SUPPORT STATEMENT
OF WORK**

Statement of work (SOW) for the Fuel Quantity Test Set for use at US Navy and Marine corps intermediate maintenance activities to test and evaluate the performance characteristics of aircraft fuel systems.

1.0 PURPOSE

This document defines the Integrated Logistics Support (ILS) requirements and services to be furnished for the end item production of the Fuel Quantity Test Set hereinafter referred to as the FQTS.

1.1 Objectives:

This ILS Statement of Work (SOW) is designed to accomplish the following objectives:

- a. Establish valid contractual minimums relative to supportability requirements and facilitate planning, management, and execution of the FQTS ILS Program.
- b. Provide a specific SOW that will permit the contractor to respond with valid cost, schedule, and resource commitments to satisfy the FQTS ILS Program.

1.2 Scope:

The contractor shall provide the personnel, services, materials, and facilities to plan, implement and execute an ILS program for the duration of the contract and any related supplies and services contracts. This document sets forth the principle elements of ILS planning needed to satisfy the objectives of integrating all ILS elements with the delivery of the FQTS.

1.3 Changes:

This document is contractually enforceable. Additions, deletions or changes to this document shall be effective only after they have been jointly negotiated by the contractor and the Navy and implemented on the contract through appropriate written contract modifications issued by the Procuring Contracting Officer (PCO).

1.4 Duplication of Data:

Data previously developed or available shall be used to the maximum extent possible in satisfying the requirements of this document to the degree authorized by the Navy.

1.5 Specifications:

Specification documents used in this contract are only referenced as a guide, unless specifically listed otherwise. The contractor may respond via similar or equivalent methods.

1.6 Contract Data Requirement List (CDRL) DD FORM 1423:

All deliverable data items required by this specification are cited in the respective CDRL package.

1.7 Data Item Approval:

For those data items for which approval is required, the approving agency/code is the first addressee in Block 14 of the CDRL.

2.0 ILS PROGRAM MANAGEMENT

2.1 Contractor ILS Manager (ILSM):

Management of the contractor's ILS program shall be vested in a single manager who has the responsibility and authority for execution of the complete FQTS ILS program set forth in this ILSSOW. The contractor ILSM shall serve as the focal point for relation/interface with the Navy in all matters pertaining to the ILS program.

2.2 ILS Subcontractor(s):

A ILS subcontractor may be used to accomplish some or all of the requirements of this ILS SOW. The prime contractor's ILSM shall be responsible for the subcontractor's performance. Management of the ILS program may be delegated to a subcontractor provided the prime contractor maintains ultimate responsibility. All ILS efforts and data deliverables developed by an ILS subcontractor ILSM for delivery to the Navy, shall be the prime contractors responsibility for contract compliance.

2.3 Navy/Contractor Interface:

The Navy ILS organization, identified herein, is intended to assist the contractor in developing and implementing the ILS program set forth in this ILS SOW. The Navy ILS organization will consist minimally of a Naval Air Warfare Center Aircraft Division Lakehurst (NAWCADLKE) Team Lead (TL), Assistant Program Manager Logistics (APML), Project Engineer (PE), Test Engineer (TE), and applicable Logistics Element Managers (LEMs).

2.4 Integrated Logistics Support Team (ILST): (CDRL L001)

ILST review meetings will be scheduled in conjunction with other program reviews or as scheduled by mutual agreement of the Navy and the Contractor. These meetings will be used to provide additional guidance, review program status, logistics tradeoff/alternative decisions and/or clarify processes. The contractor shall coordinate and provide administrative support, prepare agendas, take minutes and ensure timely distribution of said minutes to all attendees, and document and track action item status.

2.5 ILS Program Progress Reports (CDRL L002):

The contractor shall prepare an ILS Program element status, action item status, and narrative summary identifying the progress, delays, and/or problems associated with each ILS element. As a minimum, the status summary shall correspond to each ILS element identified herein, along with each ILS deliverable identified within the ILSSOW. The contractor shall provide reasons, recommendations concerning delays and/or problem areas.

2.6 Post Award Conference (PAC)

A Post Award Conference shall be held no later than 30 days after contract award to provide a common understanding of all contract requirements.

3.0 ILS REQUIREMENTS

3.1 Maintenance Planning Technical Data Package (MPTDP) (CDRL L003)

The contractor shall provide Logistics Management Information IAW MIL-PRF-49506 and submit LMI candidate Repair Parts List (RPL) with breakdown of component (IAW PSOW Attachment A), and recommended appropriate preventive and corrective maintenance instructions, operating precautions, preparation for shipment, storage, and recommended Support Equipment. The drawing package shall be

a level II with top down breakdown. The documentation shall also include any additional data required for the Navy to finalize the three part Maintenance Plan in accordance with MIL-PRF-49506. A MPTDP identifying indenture block diagram of parts will be submitted in English, sixty (60) days after contract award.

3.2 Supply Support

3.2.1 MAINTENANCE PLANNING/PROVISIONING DOCUMENTATION: The Contractor is requested to provide, as part of their solicitation response, information on all maintenance, supply support and warranties that he offers in conjunction with the purchase of the units in accordance with Provisioning Statement of Work (PSOW) dated April 2003.

The Contractor is to deliver a preliminary Repairable Parts List (RPL) and a preliminary Interim Support Items List (ISIL) with their solicitation. The Contractor that receives the award will be required to submit a final RPL and ISIL within 30 days after contract award (**CDRL L004** applies).

The RPL is to provide a top down breakdown of the unit. The top down is accomplished by sequencing all parts comprising the end item in a lateral and descending "family tree/generation breakdown." The breakdown shall consist of the end item including all components, listing every assembly and part, which can be disassembled, reassembled and/or replaced. The ISIL serves as a list for interim supply support. The Contractor shall indicate clearly on the list recommended spare and repair parts for the support of the unit for a period of 24 months. The Government will use the data to identify, select and procure the minimum spares and repair parts necessary to permit interim and continued supply support. The Government during this process will take warranty into consideration.

The contractor shall provide as part of their solicitation response information on parts and end item unit warranties that he offers in conjunction with the purchase of units.

The Contractor shall utilize his own format for the submittal of the RPL data, but shall include the following information: reference number (Contractor generated sequence number), true vendors part numbers, true vendors CAGE, nomenclature, National Stock Number if known, unit of issue, quantity per end item, quantity per assembly, cost per unit, cost per item, shelf life if applicable, calibration schedule if applicable, expected Mean Time Between Failure (MTBF) rate, Mean Time To Repair (MTTR) this includes identify, remove/replace and verify corrective action of the effected item.

The Contractor may be required to purchase and deliver the ISIL parts upon receipt of an applicable delivery order. ISIL spares and repair parts will be procured directly from the actual manufacturer whenever possible.

The provisioning data delivery requirements are specified in the attached Provisioning Statement of Work (PSOW). **NAVICP CDRLs L004-L008** apply.

3.2.2 Provisioning Conferences:

The contractor shall host a Provisioning Guidance Conference to assist in preparing the provisioning documentation, if required. The provisioning guidance conference provides information concerning preparation of the data for compatibility with the NAVICP database. The contractor shall provide consulting support via phone to the provisioning effort, as required.

3.3 MAINTAINABILITY DEMONSTRATION PLAN: The Contractor shall create and deliver a Maintainability Demonstration Plan that will describe in detail the approach and present a list of faults to be demonstrated at a later date, for Government consideration and approval. The faults shall provide an overall view of critical components of the unit. The demonstration shall show the ability of the maintainer to troubleshoot, fault isolate, remove/replace and return the unit to Ready for Issue (RFI) condition, within the specified Mean Time To Repair (MTTR) of less than 2 hrs, using the previously submitted draft

Technical Manual for the unit. Any testing required to verify repairs should be illustrated and documented in repair manuals. This plan shall coordinate with the Performance Specification Requirements and paragraph 1.3.2.1 of this document. The Maintainability Demonstration Plan shall be delivered under **CDRL L009**.

3.3.1 MAINTAINABILITY DEMONSTATION: The Contractor is advised that the Government may conduct a Maintenance Demonstration (MDEMO) on an existing unit, while it resides at the Contractor's facility or existing customer facility using the Contractor provided MDEMO Plan and preliminary Technical Manual. The MDEMO will demonstrate the ability of maintainers to meet MTTR requirements set forth in the Performance Specification Requirements and assist in the adequacy review of procedures presented in the preliminary Technical Manual. Any problems encountered during this MDEMO will be brought to the attention of the Contractor for resolution between the Government and Contractor. Review of the Technical Manual and all agreed upon changes to the Technical Manual will be incorporated by the Contractor prior to production of the final Technical Manual and delivery.

The Contractor should be advised that the Government will perform an In Process Review of the Technical Manual. This review will include a validation /verification of the final manual.

3.4 Warranty:

The Contractor shall provide a minimum 12-month warranty for the FQTS system to include its component parts covering repair parts, labor and transportation. The warranty period shall begin with acceptance on site.

3.5 Technical Manual Requirements

The contractor shall provide in accordance with the TMCR (03-012), in work breakdown format, a manual which will include operating instructions, maintenance instructions with illustrated parts breakdown. **NATEC TMCR CDRL L010** applies.

3.6 TRAINING REQUIREMENTS: Contractor presented initial training is to be provided to NAMTRAGRU and NATEC instructor personnel and a selected Cadre of Fleet operator/maintainer personnel (**CDRL L011** applies). Training session will be conducted at a Government designated facility, which is to be determined after contract award. Program engineering and logistics management personnel will monitor the presentation. The presentations should consist of but not limited to the following topics.

- a. Operation Instruction, (As a minimum, they must include Start-up and Shut-down procedures along with all applicable Safety Instructions, Cautions, Warning, etc.)
- b. Use of the Technical Manual to trouble-shoot and operate the unit.
- c. Instruction on maintenance, spare parts and consumable replacements. During this portion of the training the Contractor shall provide users with an overview of spare parts replacement, and shall provide instructions pertaining to any disassembly or components required so that replacement may proceed in the future. As part of this training, spare parts need not be replaced to complete the familiarization, but must be illustrated in the unit Technical Manual. Training shall take place at a Government designated facility (facility to be determined). Contractor is required to supply all parts, material and labor to perform this effort.

3.6.1 Classroom/lecture time should be held to a minimum. Trainees should have as much time as can be given to learn/perform the tasks that will be required in the performance of future job(s).

3.6.2 The student to instructor ratio should not be greater than 10 to 1 in the theoretical phase of the course and not greater than 5 to 1 on the practical application phase.

3.6.3 Training materials data shall consist of any Contractor formatted recorded information suitable for use in establishing and supporting training and shall include, but not limited too, the following. The following list is taken from MIL-PRF-29612, Data Item DI-ILSS-81522 and may be used for guidance.

- a. Manufacturer's Handbooks
- b. Contractor's in-house training materials, pamphlets, and other training literature
- c. Contractor utility manuals
- d. Contractor operational manuals
- e. Contractor software manuals
- f. Contractor Maintenance manuals
- g. Logic diagrams
- h. Functional schematic drawings
- i. Functional flow block diagrams
- j. Preliminary operating and Maintenance instructions
- k. Equipment description and functional data
- l. Testing procedures
- m. Other data and Contractor in-house documents suitable for use in planning and conducting training programs

3.7 CALIBRATION REQUIREMENTS

3.7.1 INSTRUMENT CALIBRATION PROCEDURES (ICPs) SOURCE DATA (CDRL L012)

The Contractor shall provide recommendations for acquiring ICPs and shall provide ICP source data: system/subsystem specifications, functional specifications, manufacturer's catalogs or data sheets, user's manuals, engineering drawings and associated technical data for all Test, Measurement and Diagnostic Equipment (TMDE) and calibration equipment/standards that do not have DOD-approved ICPs.

The Contractor shall submit specific recommendations and data using the Contractor's Technical Report process, and prepare ICPs for government-selected items in accordance with NAVAIR 17-35TR-4. Vendor prepared ICPs must have government approval for Navy use.

3.7.2 CALIBRATION AND MEASUREMENT REQUIREMENTS SUMMARY (CMRS) (CDRL L013)

It is the intent of the CMRS to document and outline the trace-ability of the measurements from the prime system through an unbroken chain of calibrated TMDE to the National Institute of Standards and Technology (NIST). A TAR (Target Accuracy Ratio) goal of at least 4:1 has been established within the Navy METCAL program to minimize erroneous acceptance or rejection decisions based on calibration results. The CMRS shall be developed using Mil-HDBK-1839A and DI-QCIC-80278A as guidance.

The Contractor shall prepare a CMRS, which identifies the System's calibration and measurement requirements, the measuring and test equipment, and the calibration equipment or standards required to maintain a proper calibration system. The test system performance and measurement requirements are to be specified at the test system I/O interface and reflect actual use requirements. (Actual use requirements reflects what parameters are being tested, not just the manufacturer's specifications.)

The CMRS shall provide an outline of parameters, value/range, and accuracy for the system, subsystem, support equipment, and calibration standards. The parameters and tolerances in each line shall be expressed in consistent units of voltage, frequency, power, current, etc., or percentages. Notes, including systematic accuracy calculation, and figures shall be used to clarify any complex measurement setups. The Contractor shall select calibration equipment from NAVAIR 17-35NCE-1, "Navy Calibration

Equipment List", or obtain government approval of selected items not listed in NAVAIR 17-35NCE-1. The Government will provide a copy of NAVAIR 17-35NCE-1 at the CMRS Guidance Conference.

A CMRS Guidance Conference shall be scheduled concurrently with the Post Award Conference or 90 days prior to the Preliminary Design Review (PDR) (whichever applicable) with NSWC Corona (Code MS41) in the development of the CMRS data to ensure adequate trace-ability of measurement, and conformance with the Navy metrology and calibration program requirements

PROVISIONING STATEMENT OF WORK (PSOW)

Equipment nomenclature: Fuel Quantity Test Set

Model / Type Number / Part Number: TBD

Contract/ PR / MIPR Number : TBD

Provisioning Activity : Naval Inventory Control Point, Philadelphia (NAVICP-PHIL)

Address : 700 Robins Avenue, Philadelphia, PA 19111-5098, Attn: Code 03621.15

Contractor Name : TBD

Address: TBD

1. This Provisioning Statement of Work (PSOW) is furnished in accordance with MIL-PRF-49506
2. The deliverable provisioning data and distribution requirements are specified on the DD Form 1423-1 Contract Data Requirements List (CDRL).
3. Milestone dates for each event under this PSOW are cited in the Provisioning Performance Schedule (PPS), Attachment A. The PPS milestone dates will be reviewed and updated during the Provisioning Guidance Conference and incorporated into the contract.
4. A Statement of Prior Submission (SPS), may result in reduction or elimination of Engineering Data for Provisioning (EDFP) requirements cited on the DD form 1423-1.
5. Engineering Data for Provisioning (EDFP) shall be submitted in hard copy in top down breakdown sequence in accordance with the PPS and the CDRL. This breakdown shall consist of the end item including all repairable assemblies and maintenance significant consumables, as shown in the maintenance plan. Repairable assemblies obtained from vendors/ subcontractors shall be submitted in the same manner. Consumable items shall appear as a single item without further breakdown.
6. If EDFP is not available as specified above, the contractor shall provide written confirmation stating reasons for their inability to comply with the NAVICP requirement. A copy of the refusal letter shall be forwarded to NAVICP (code 03621.15) as soon as possible after funding of the PSOW. Such confirmation must clearly prescribe alternate methods of furnishing adequate data to enable the provisioning process to be accomplished.
7. Revised EDFP shall be submitted on subsequent changes to the provisioned end item and shall include any additions, deletions, supersedures, or modification of the end item or any provisioned part of the end item. The revisions are required to update the NAVICP data base and shall be used to identify changes to the original EDFP.
8. The Provisioning Technical Documentation (PTD), such as Interim Support Items List (ISIL) and Provisioning Parts List (PPL), may be prepared on the government furnished Interactive Computer Aided Provisioning System (ICAPS) PC version and submitted to NAVICP (03621.15) on a 3 1/2 " diskette or via Electronic Data Transfer (EDT). If the PTD is prepared with the ICAPS software, the Provisioning Control Code (PCCN) will be provided and identified in the supplied data. The Contractor can obtain a copy of the ICAPS-PC program at no cost by logging on to the ICAPS website identified below.

To register online and acquire the most current version of ICAPS-PC:

[HTTP://IKKI.NAVSEA.NAVY.MIL](http://IKKI.NAVSEA.NAVY.MIL)

Request for technical support or user training should be directed to Laura Chambers, at NCTS, Jacksonville, FL telephone # (904) 542-6241

9. The Interim Support Items List (ISIL), with revisions (as necessary), Shall be delivered in accordance with the Provisioning Performance Schedule (PPS) and the CDRL. The ISIL shall contain the

recommended items and quantities determined to be required for removal and replacement at the intermediate levels of maintenance between the Initial Operational Capability (IOC) date/ Material Support Date (MSD) and Navy Support Date (NSD). The National Stock Number(s) (NSN) assigned to ISIL approved items shall be considered as new peculiar items to this end item for the purpose of maintenance planning and during subsequent provisioning screening efforts until final PTD/EDFP delivery. The following data elements, the majority of which are defined in Appendix B of MIL-PRF-49056, are the minimum data elements for the ISIL :

- a. Item Name/ Nomenclature, DPD# 0480
- b. CAGE Code (prime and vendor, if applicable), DPD # 1040
- c. Reference Number (Prime and vendor, if applicable), DPD# 1050
- d. National Stock Number (if applicable), DPD #0680
- e. SM&R, Code, DPD# 1220
- f. MRF and RPF, DPD #0550/1140
- g. quantity Per End Item, DPD# 0950
- h. Unit of Issue Price, DPD # 1500
- i. Production Lead Time, DPD# 0830
- j. Total Recommended Quantity, DPD # 1400
- k. IOC of the end item
- l. Number of end items to be delivered/supported
- m. Delivery Schedule of end items
- n. Number of sites supporting end items (broken down by ship / shore)

10. The Provisioning Parts List (PPL) shall include all applicable items (prime, vendors, U.S. Government Standards and industry standards) contained in the subject equipment.

The required provisioning data elements are delineated in attachment C. The PPL, along with the applicable EDPF, shall be furnished in accordance with the PPS (Attachment A) and the CDRL.

11. Subsequent changes to the provisioning baseline configuration which result from NAWCAD Lakehurst approved Engineering Change Proposals (ECPs) or Support Equipment Changes (SECs) may require submission of Design Change Notice (DCNs) to update the NAVICP database. In this event, funding for the DCNs will be part of the ECP or SEC and specific DCN submission instructions may be requested as needed from NAVICP, code 03621.

12. If required, the contractor shall submit a cost proposal for each item of provisioning data required by the PSOW and the applicable CDRL (DD Form 1423-1). This cost proposal shall include the estimated number of items to be prepared, description of cost, labor hours and rates, burden rate, General / Administrative (G & A) rates, as appropriate, profit, unit and total price, Code 03621.15

NAVICP	PSOW Issued	Apr 2003
NAVAIR	PSOW Funded by Acquisition Sponsor	TBD
NAVICP/CONTRACTOR	PSOW Guidance Conference	TBD
NAVAIR/CONTRACTOR	Production Contract Award	TBD
CONTRACTOR/NAVICP	ISIL Received	TBD
NAVICP	ISIL Material Placed on Contract	TBD
CONTRACTOR	ISIL Material Delivered	TBD
NAVAIR/CONTRACTOR	Product Baseline	TBD
NAVAIR	Initial Operating Capability	TBD
NAVAIR	Supportability Analysis Complete	TBD
NAVICP/CONTRACTOR	Provisioning Preparedness Review	TBD
CONTRACTOR/NAVICP	LLTIL Received	TBD
CONTRACTOR	PTD Submittal (024,036, Master Files, etc.)	TBD
NAVICP	Commence ISP	TBD
NAVICP	ISP Results Input to MIF/PSI/WSF	TBD
NAVICP	LLTIL Placed on Contract	TBD
NAVICP	Post Item Selection Buy Placed on Contract	TBD
CONTRACTOR	LLTIL Material Delivered	TBD
CONTRACTOR	Post Item Selection Buy Material Delivered	TBD
	MSD	TBD

TBD Dates will be assigned after award of contract.

(SUBMITTED AS A GUIDE ONLY, FOR BUSINESS LOGIC TO GENERATE PROVISIONING MILESTONES)

TOP DOWN BREAKDOWN GUIDELINES

The contractor shall build a complete top down breakdown of the end item/system/equipment as follows:

- a. All field level repairables (i.e., fourth character of SMR code is F, G, H, L, or O and the fifth character is A, F, G, H, L, or O) shall be broken down at every appearance.
- b. All depot level repairables (i.e., fifth character of SMR code is D) shown in the maintenance plan as P-source code shall be broken down at the first appearance only and provisioned. All subsequent appearances of this DLR shall be provisioned as single line entries.

The following exceptions apply:

- (1) A depot level repairable with a NSN assigned which is either: (a) Identical to a repairable previously provisioned by NAVICP-Philadelphia and for which all applicable design change data has been submitted to NAVICP-Philadelphia, or (b) For which another service is the primary manager and Naval Aviation users are limited to remove and replace only (SMR code P__DD) shall be provisioned as a single line entry without a top down breakdown.
 - (2) Any P-source code depot level repairable which has been designated as commercial repair for life and Naval Aviation users are limited to remove and replace only (SMR code P__KK) shall be provisioned as a single line entry without a top down breakdown. This also applies to GFE and common Naval repairable items which have already been provisioned as SMR code P__D or P__DD.
- c. Depot level repairables which are non P-source code (i.e., XA, XB, XD, A_, etc.) and which do not contain any P-source code repairables within them, shall be broken down at the first appearance only and provisioned as single line entries on subsequent appearances, if the next higher assembly (NHA) is the same. If the NHA is different, a breakdown is required each time. Non P- source code DLRs which contain P-source code repairables shall be broken down to the P-source code repairables on every appearance. These P- source code repairables shall then be broken down according to the criteria cited above.
 - d. Vendor repairables shall be broken down in the same manner as prime contractor repairables. If TBD cannot be supplied by the vendor/subcontractor in the format as specified by NAVICP-Philadelphia, the prime contractor will be responsible for obtaining written confirmation from vendors/subcontractors stating reasons for their inability to comply with the NAVICP-Philadelphia requirement. A copy of the refusal letter shall be forwarded to NAVICP-Philadelphia as soon as possible after funding of the PSOW. Such confirmation must clearly prescribe alternate methods of furnishing adequate data to enable the provisioning process to be accomplished. The vendor/subcontractor may provide the data required directly to the Government to insure continuity of the provisioning process.
 - e. The breakdown of a repairable assembly shall immediately follow the assembly of which it is a part.
 - f. All items known by the contractor to be repairable but not identified as such in the approved maintenance plan are to be referred to NAVICP-Philadelphia, Code 03621.15 , and/or the LSAR review team for SMR code resolution.
 - g. Consumable items shall appear as single line entries without a breakdown at each appearance in the top down breakdown.

Enclosure (1)

TECHNICAL MANUAL CONTRACT REQUIREMENT

TMCR Number: 03-012

Date: 4 April 2003

PR/Contract Number: TBD

Aircraft/Equipment: Fuel Quantity Test Set (Common)

Contractor: TBD

Technical Manual requirements contained herein are in compliance with
Public Law 104-13, dated 22 Mar 1995, The Paperwork Reduction Act of 1995

ALL CHANGES REQUIRE COORDINATION WITH
Naval Air Technical Data and Engineering Service Command
Naval Air Station North Island
P O Box 357031, Building 90
San Diego CA 92135-7031
Attn: Maria Cofey

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1.0 MATERIAL TO BE FURNISHED

The contractor shall deliver four (4) copies of an Operation and Maintenance Instruction technical manual, with Parts List and a supplement that supports the operation and maintenance of the Fuel Quantity Test Set (Common). These manuals shall support the U.S. Navy's planned maintenance concept. A Proof copy of the manual is required prior to final delivery. The government will have thirty (30) days to review and submit any changes. If changes are submitted, the government shall require a corrected proof copy to repeat the process until the proof copy is deemed acceptable. The final copy shall be submitted in a revisable master (word or interleaf-IDU, PDF and paper). A Validation Certificate, enclosure (1), is required upon delivery of the validated technical manual.

1.1 Deliverables and Schedule

DELIVERABLE	FORMAT	DELIVER TO	SCHEDULE
Technical Manual(s) Outline	PDF	NAWCAD LKHST Code 3.1.4.4	30 days after contract award.
Proof Copy	One (1) paper copy	NAWCAD LKHST Code 3.1.4.4	120 days after contract award. 30 days after receipt, one (1) proof copy with comments/corrections noted, will be returned to the contractor.
Technical Manual with Supplement	One (1) set of revisable masters in Microsoft Word or Interleaf-IDU and three (3) copies	NAWCAD LKHST Code 3.1.4.4	180 days after contract award.
	One (1) Direct Image Copy (DIC) and One (1) set of PDF CD ROMs	Naval Air Warfare Center Aircraft Division Hwy. 547 Bldg. # 596-2 Attn: Melvin Stillabower Code 314400B596/2 Lakehurst, NJ 08733-5000	180 days after contract award.
Validation Certificate	Original (hard copy) and Two (2) copies	NATEC San Diego, Code 3.3A71 NAWCAD LKHST Code 3.1.4.4	15 days after technical manual validation.
DD 250	Original (hard copy) and Two (2) copies	NAWCAD LKHST Code 3.1.4.4	After final delivery of COTS manual with supplement

1.2 Specifications and Guidance Documents

The technical manual and supplement listed above is to be furnished hereunder and shall be prepared in accordance with the latest version of the specifications in effect at the time of initial preparation of the manuals. Digital specifications are available on the DODSSP Web Site Gateway, at <http://www.dodssp.daps.mil>

SPECIFICATION	TITLE
MIL-DTL-23618H	Manuals, Technical: Periodic Maintenance Requirements, Preparation of
MIL-M-85337A (Navy)	Manual, Technical: Quality Assurance Program; Requirements for
MIL-PRF-28003B	Digital Representation for Communication of Illustration Data; CGM Application Profile
MIL-STD-1840C	Automated Interchange of Technical Information
MIL-DTL-81927C	Manuals, Technical: Work Package Style, Format, and Common Technical Content Requirements; General Specification for (Work Package Concept)
AL-855TM-GYD-000	Technical Manual Quality Assurance Program Guide
MIL-PRF-28001C	Information Processing, Text and Office Systems – Standard General Markup Language
MIL-STD-3001	DOD Standard Practice, Preparation of Digital Technical Information for Multi-Output Presentation of Technical Manuals
MIL-HDBK-3001	DOD Handbook, Guide to General Style & Format of U.S. Navy Work Package Technical Manuals
MIL-HDBK-1221	DOD Handbook for Evaluation of Commercial Off-The-Shelf (COTS) Manuals
MIL-STD-38784	DOD Standard Practice for Manuals, Technical: General Style and Format Requirements
DOD 5220-22-M	Industrial Security Manual for Safeguarding Classified Information

2.0 GENERAL REQUIREMENTS

2.1 Logistics Element Manager

The Technical Publications Logistics Element Manager (LEM) designated by the NAVAIR Logistics Competency's Technical Manual Lead (3.3) is:

Name: Maria Cofey
Activity: NATEC Code 3.3A71
Address: NAS North Island, Building 90
P O Box 357031
San Diego CA 92135-7031
Phone No.: (619) 545-2066
FAX No.: (619) 545-2276/1883
Email: maria.cofey@navy.mil

The LEM shall be the point of contact for coordination of all matters relating to the publications prepared hereunder.

2.2 Technical Manual Numbers

The contractor shall submit a formal request to NATEC Code 3.3A71 and NAWCAD Lakehurst, Code 3.1.4.4, for technical manual number(s).

2.3 Transmittal Instructions

Material furnished under this TMCR shall be delivered to NAWCAD Lakehurst, Code 3.1.4.4, and for inspection and acceptance. All material shall be packaged in accordance with best commercial practice.

2.4 Portable Document Format (PDF) Requirements

An original paper copy of the technical manual and supplement printed from the PDF file shall be delivered with the electronic file, in accordance with the latest version of the NATEC Technical Manual Conversion Guidelines available on the NATEC web site (www.natec.navy.mil) under Technical Data Briefings, Guidelines, Policies, and Processes. Current Allowable and Non-Allowable Formats for POD G are also available on the NATEC web site. An original paper copy of the technical manual and supplement, printed from the PDF file will ensure that the PDF file will print properly for paper distribution to the fleet. PDF guidelines shall include, but not be limited to the following:

Electronic technical manual files shall be delivered, via CD-ROM. The delivery shall include one complete PDF file of the TM. The PDF file name shall match the technical manual number with dashes replacing all dots (i.e. 01-H1AAA-2-11.2.2 becomes 01-H1AAC-2-11-2-2). PDF files shall be optimized in final save process. Files delivered to NATEC shall not be password protected. NATEC will provide password protection prior to loading the files on the web.

An index.txt file shall be included on each CD-ROM. A letter indicating the type of issue shall precede the file name: New ("N"), Revision ("R"), or Changes/Notices ("C").

PDF files shall be Image + Text, Book-marked, Hyperlinked and compatible with latest version of Adobe Acrobat. Hyperlinks shall include, but not be limited to table of contents hyperlinked to text, tables, and figures, figure designations in text hyperlinked to figure, part number designations hyperlinked to the parts list.

Any special printing instructions shall be forwarded with the files at time of delivery. The following are examples of special instructions: lamination, color graphics, special paper stock, tabbing, odd size (i.e. not 8-1/2" x 11"), etc.

IMPORTANT: A file set is required when the manual contains foldouts. A file set shall consist of one MS Word/PDF file for 8-1/2" x 11" pages and one MS WORD PDF file for all foldouts.

The following are fonts recommended for MS WORD/PDF application to ensure integrity of printed images/pagination: Courier, Courier Bold, Courier Italic, Courier Bold Italic, Times, Times Bold, Times Italic, Times Bold Italic.

Software requirements for schematics – Auto-Cad Release 14 or higher or a government-approved alternative is recommended.

2.5 Technical Manual Size Restriction

Manuals shall not exceed three inches in thickness. Manuals exceeding the 3-inch limitation shall become volume publications. The determination of the necessity for volume publication of changes to existing manuals that exceed the 3-inch limitation shall be coordinated with the NATEC LEM.

2.6 Notification of Delay in Delivery

In the event that the contractor cannot meet the delivery schedule of the technical manual(s) cited in this contract and/or applicable order issued under this contract, the LEM shall be notified immediately of the delay, the reason therefore, corrective action and the proposed new delivery schedule, if applicable.

2.7 Use of Existing Source Data

The contractor shall utilize existing data or data currently being developed under other contracts to the fullest extent possible in the development of the technical manuals described herein. The contractor shall ensure that any cost proposal submittals do not include development cost for previously developed data.

2.8 Approved Maintenance Plan and Support Equipment Data

All data contained in the technical manual shall reflect the system or equipment represented in accordance with the NAVAIR approved maintenance plan.

2.9 Cognizant Field Activity

NAWCAD Lakehurst has been assigned engineering cognizance of the technical manuals.

2.10 Quality Assurance Requirements

The contractor shall adhere to the requirements of MIL-M-85337A in conducting a quality program for technical source data development.

The Government, as scheduled jointly between the Government and contractor will conduct a guidance conference, In-Process Reviews (IPRs), and a Fleet Review. These events will be chaired by NATEC Quality Assurance (QA) and supported by the contractor. Guidance information regarding these events is available in Technical Manual Quality Assurance Program Guide, AL-855TM-GYD-000.

The contractor must validate its product in accordance with the guidance provided in MIL-M-85337A. The Government will not accept unvalidated data. Requests to deviate from requirements in MIL-M-85337A will be documented by the contractor and forwarded to the NATEC QA representative for approval/disapproval.

The contractor shall verify that delivered data complies with MIL-PRF 28001C and validated as required by MIL-M-85337A. The Validation Certificate will be prepared in accordance with MIL-M-85337A concurrent with delivery of the technical/source data.

The contractor will support Navy verification, if required.

END OF TMCR

VALIDATION CERTIFICATE

CONTRACT # _____

MANUAL # _____ DATE _____

1. VALIDATION METHOD:

a. Procedural ()

b. Other, as approved ()

2. VALIDATION:

The technical manual described above has been validated by the method described in paragraph 1 and in accordance with all requirements of the approved contract. Information and instructions, textual, and illustrative conform in all respects to applicable specifications. Therefore, the technical manual is hereby certified to be accurate, adequate, and complete.

3. EXCEPTIONS:

X _____
Authorized Contractor Rep

Date

Validation was witnessed:

NO

a

b

Date

X _____
Government Rep

Enclosure (1)

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the government Issuing Contracting Officer for the Contract/PR No. in Block E.

[illegible]

18. ESTIMATED TOTAL PRICE	
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Enclosure (1)

CONTRACT DATA REQUIREMENTS LIST (CDRL)

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the government Issuing Contracting Officer for the Contract/PR No. in Block E.


A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY: TDP _____ TM _____ OTHER <u>X</u>						
D. SYSTEM/ITEM FUEL QUANTITY TEST SET		E. CONTRACT/PR NO.		F. CONTRACTOR TBD						
1. DATA ITEM NO. L003	2. TITLE OF DATA ITEM MAINTENANCE PLANNING DATA PACKAGE			3. SUBTITLE						
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE ILS SOW PARA 3.1		6. REQUIRING OFFICE NAVAIR CODE: 3.1.4.4						
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY OTIME	12. DATE OF FIRST SUBMISSION 30 DACA	14. DISTRIBUTION						
8. APP CODE		11. AS OF DATE	13. DATE IF SUBSEQUENT SUBM.	a. ADDRESSEE	b. COPIES					
					draft reg final repr					
16. REMARKS The contractor shall utilize his own electronic format that is compatible with the Navy's existing program database for the submittal of the data, but shall include the following information: <ul style="list-style-type: none"> Reference Number (contractor generated sequence number) True Vendor part numbers True Vendor CAGE Nomenclature National Stock Number (if known) Unit of issue/unit of measurement with conversion factor Quantity per end-item Quantity per assembly Total recommended quantity Cost per unit of issue Cost per item Shelf-life (if applicable) Production Lead Time Calibration schedule (if applicable) Expected Mean Time Between Failure (MTBF) Mean Time To Repair (MTTR) (includes identify, remove/replace and verify corrective action of the effected item) Annual Operating Requirement SM&R codes for each item Block 4: The submission shall be IAW MIL-PRF-49506 Logistics Management Information (LMI) DI-ALSS-81539 Data Products DI-ALSS81530 LMI Summaries Supportability Analysis Summaries LMI Data Products. Note: Software Version of electronic deliverables to be determined by IPT at the Guidance Conference.				NAVAIRLKE 3.1.4.4(MS)	0	1	0			
				NAVAIRLKE 4.8.1.7(AB)	0	1	0			
				NAVAIRLKE 11X7240B(TK)		1				
				15. TOTAL				0	3	0
				G. PREPARED BY MELVIN STILLABOWER		H. DATE 4/10/2003		I. APPROVED BY <i>Melvin Stillabower</i>		
				J. DATE 4/15/2003						

17. PRICE GROUP

18. ESTIMATED
TOTAL PRICE

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)						Form Approved OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. Listed in Block E.							
A. CONTRACT LINE ITEM NO.		B. EXH/ATCH NO.		C. CATEGORY:			
				TDP TM OTHER			
D. SYSTEM/ITEM Fuel Quantity Test Set			E. CONTRACT/PR NO. TBD		F. CONTRACTOR TBD		
1. DATA ITEM NO. L004		2. TITLE OF DATA ITEM Engineering Data for Provisioning			3. SUBTITLE EDFP		17. PRICE GROUP
4. AUTHORITY (Data Acquisition Document No.)			5. CONTRACT REFERENCE ILSSOW paragraph 3.2.1		6. REQUIRING OFFICE NAVICP-PHIL		18. ESTIMATED TOTAL PRICE
7. DD 250 REQ DD		9. DIST STATEMENT REQUIRED		10. FREQUENCY ONE/R		12. DATE OF FIRST SUBMISSION SEE BLK 16	
8. ADP CODE		11. AS OF DATE SEE BLK 16		13. DATE OF SUBSEQUENT SUBMISSION SEE BLK 16		14. DISTRIBUTION	
16. REMARKS Block 4: DID is for guidance only. Contractor format is acceptable. EDFP is Engineering data in the initial provisioning of support resources. EDPF is technical data which provides definitive identification of dimensions, materials, mechanical, electrical, or other characteristics adequate for provisioning of support items of the end articles(s) on contract, EDPF consist of product drawings and associated list as specifications standards, Drawings, sketches and descriptions, and the necessary assembly and general arrangement drawings, schematics drawings, wiring, and cable diagrams, needed to indicate the physical characteristics, location and function of the item. This data is used to accomplish the provisioning process. BLOCKS 11, 12 & 13 Schedule and requirements in accordance with the PRS and provisioning performance schedule. BLOCK 14 EDFP Shall be submitted in digital form compatible with JEDMICS in media format CALS type 4 for engineering drawings, Portable Data Format (PDF) for text documents or list				a. ADDRESSEE		b. COPIES	
				0362.15		1	
				NAVAIRLKE 3.1.4.4 (MS)		1	
				15. TOTAL		2	
G. PREPARED BY EARL GRANT		H. DATE 4/3/03		I. APPROVED BY <i>Melvin Stillabower</i>		J. DATE 4/15/2003	

CONTRACT DATA REQUIREMENTS LIST (2 Data Items)					Form Approved OMB No. 0704-0188		
<p>The public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.</p>							
A.CONTRACT LINE ITEM NO.		B.EXHIBIT 1		C.CATEGORY: TDP <input type="checkbox"/> TM <input type="checkbox"/> OTHER <input type="checkbox"/>			
D. SYSTEM/ITEM FUEL QUANTITY TEST SET		E.CONTRACT/PR NO.		F.CONTRACTOR TBD			
1.DATA ITEM NO. L005		2.TITLE OF DATA ITEM PROVISIONING TECHNICAL DOCUMENTATION		3.SUBTITLE INTERIM SUPPORT LIST			17.PRICE GROUP
4.AUTHORITY (Data Acquisition Document No.) D ALSS 81529		5.CONTRACT REFERENCE ILSSOW paragraph 3.2.1		6.REQUIRING OFFICE NAVICP-PHILA			18.ESTIMATED TOTAL PRICE
7.DD250 REQ DD	9.DIST STATEMENT REQUIRED	10.FREQUENCY ONE/R	12.DATE OF FIRST SUBMISSION SEE BLOCK 16	14.DISTRIBUTION			
8.ADP CODE		11.AS OF DATE SEE BLOCK 16	13.DATE OF SUBSEQUENT SUBMISSION SEE BLOCK 16	a. ADDRESSEE	b. COPIES		
16.REMARKS Block 4 MIL- standard specified in the DID are for Guidance only. Blocks 11, 12 & 13 Schedule and requirements in accordance with the PRS and Performance Schedule. Block 13: Subsequent Submissions to include all revisions shall be submitted as a quarterly basis.					Draft	Final	
						Reg	Repro
				03621.15		1	
				NAVAIRLKE		1	
				3.1.4.4 (MS)			
				15.TOTAL		2	
1.DATA ITEM NO. L006	2.TITLE OF DATA ITEM PROVISIONING PARTS LIST		3.SUBTITLE P P L		17.PRICE GROUP		
4.AUTHORITY (Data Acquisition Document No.) DI-ALSS-81529		5.CONTRACT REFERENCE ILSSOW paragraph 3.2.1		6.RE2QUIRING OFFICE NAVICP-PHILA			18.ESTIMATED TOTAL PRICE
7.DD 250 REQ	9.DEST STATEMET REQUIRIED	10.FREQUENCY ONE/R	12.DATE OF FIRST SUBMISSION SEE BLOCK 16	14 DISTRIBUTION			
8.ADP CODE		11AS OF DATE SEE BLOCK 16	13DATE OF SUBSEQUENT SUBMISSION SEE BLOCK 16	a.ADDRESSEE	b. COPIES		
16.REMARKS BLOCK 4: MIL -Standard specified in DID are for reference only. BLOCKS 11 - 12 & 13 Schedule and Requirements in accordance with the provisioning performance schedule.					Draft	Final	
						Reg	Repro
				03621.15		1	
				NAVAIRLKE		1	
				3.1.4.4 (MS)			
				15.TOTAL		2	
G.PREPARED BY EARL GRANT		H.DATE 4/3/03	I.APPROVED BY <i>Melvin Stillabower</i>		J. DATE 4/15/2003		

CONTRACT DATA REQUIREMENTS LIST (2 Data Items)					Form Approved OMB No. 0704-0188		
The public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.							
A. CONTRACT LINE ITEM NO.		B. EXHIBIT 1		C. CATEGORY: TDP <input type="checkbox"/> TM <input type="checkbox"/> OTHER <input type="checkbox"/>			
D. SYSTEM/ITEM Fuel Quantity Test Set		E. CONTRACT/PR NO. TBD		F. CONTRACTOR TBD			
1. DATA ITEM NO. L007		2. TITLE OF DATA ITEM STATEMENT OF PRIOR SUBMISSION		3. SUBTITLE PSS			17. PRICE GROUP
4. AUTHORITY (Data Acquisition Document No.) DI-ALSS-81529		5. CONTRACT REFERENCE ILSSOW paragraph 3.2.1		6. REQUIRING OFFICE NAVICP-PHILA			18. ESTIMATED TOTAL PRICE
7. DD250 REQ DD	9. DIST STATEMENT REQUIRED	10. FREQUENCY 0 TIME	12. DATE OF FIRST SUBMISSION SEE BLOCK 16	14. DISTRIBUTION			
8. ADP CODE		11. AS OF DATE SEE BLOCK 16	13. DATE OF SUBSEQUENT SUBMISSION SEE BLOCK 16	a. ADDRESSEE	b. COPIES		
16. REMARKS Blocks 11 12 & 13 Schedule and requirements in accordance with the PRS and statement format and content pursuant to block 10.2 and 10.3 of DID					Draft	Final	
						Reg	Repro
				03621.15		1	
				NAVAIRLKE		1	
				3.1.4.4 (MS)			
1. DATA ITEM NO. L008	2. TITLE OF DATA ITEM Design Change Notice		3. SUBTITLE DCN				17. PRICE GROUP
4. AUTHORITY (Data Acquisition Document No.) DI-ALSS-81529		5. CONTRACT REFERENCE ILSSOW paragraph 3.2.1		6. RE2QUIRING OFFICE NAVICP-PHIL			18. ESTIMATED TOTAL PRICE
7. DD 250 REQ DD	9. DEST STATEMET REQUIRED	10. FREQUENCY 0 TIME	12. DATE OF FIRST SUBMISSION SEE BLOCK 16	14 DISTRIBUTION			
8. ADP CODE		11AS OF DATE SEE BLK 16	13DATE OF SUBSEQUENT SUBMISSION SEE BLK 16	a. ADDRESSEE	b. COPIES		
16. REMARKS Block 4 MIL - Standard specified in the DID are for guidance only. Blocks 12 and 13 Schedule and data selection sheet in accordance with Provisioning Requirements Statement of Work (PSOW) paragraph 11					Draft	Final	
						Reg	Repro
				03621.15		1	
				NAVAIRLKE		1	
				3.1.4.4 (MS)			
G. PREPARED BY EARL GRANT		H. DATE 4/3/03		I. APPROVED BY 		J. DATE 4/15/2003	

A. CONTRACT LINE ITEM NO.	B. EXHIBIT L	C. CATEGORY: TDP TM OTHER Training Requirements
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D. SYSTEM/ITEM FUEL QUANTITY TEST SET	E. CONTRACT/PR NO.	F. CONTRACTOR
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1. DATA ITEM NO. L009	2. TITLE OF DATA ITEM MAINTENANCE DEMONSTRATION PLAN "	3. SUBTITLE MDEMO
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17. PRICE GROUP

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE ILS SOW PARA 3.3	6. REQUIRING OFFICE NAVAIR CODE: 3.1.4.4
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18. ESTIMATED TOTAL PRICE	
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7. DD 250 REQ DD	9. DIST STATEMENT REQUIRED	10. FREQUENCY See Block 16	12. DATE OF FIRST SUBMISSION SEE BLOCK 16	14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE See Block 16	13. DATE IF SUBSEQUENT SUBM. SEE BLOCK 16	a. ADDRESSEE	b. COPIES	
						final
					draft	reg repr

16. REMARKS	
	<p>Blocks 10, 11, 12 13: A MDEMO plan is to be created and delivered by the Contractor in accordance with ILSSOW paragraph 3.3.1. The plan should be delivered to the Government as part of the solicitation. It may be used by the Government to conduct a maintenance demonstration prior to contract award. Any changes in this date will be coordinated with the Contractor by the Government. If problems are encountered with performing actions as written in the plan and TM, the Contractor and Government will work together to correct these problems and ensure the corrections are entered into the TM before the final is produced.</p>

[illegible]

G. PREPARED BY MELVIN STILLABOWER	H. DATE 4/10/2003	I. APPROVED BY <i>Melvin Stillabower</i>	J. DATE 4/15/2003
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CONTRACT DATA REQUIREMENTS LIST					<i>Form Approved</i> OMB No. 0704-0188							
(1) Data Item												
Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for information Operations and reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project, (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.												
A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY <div style="display: flex; justify-content: space-around; font-weight: bold;">TDP TM X OTHER</div>								
D. SYSTEM/ITEM Fuel Quantity Test Set (Common)		E. CONTRACT / PR NO. TBD		F. CONTRACTOR TBD								
1. DATA ITEM NO. L010		2. TITLE OF DATA ITEM Technical Manual		3. SUBTITLE								
4. AUTHORITY (Data Acquisition Documentation No.) See Blk 16		5. CONTRACT REFERENCE ILSSOW Paragraph 3.5		6. REQUIRING OFFICE NAWCADLKE CODE: 3.1.4.4/MS								
7. DO 250 REQ. SS		9. DIST STATEMENT REQUIRED C		10. FREQUENCY See Blk 16		12. DATE OF FIRST SUBMISSION See Blk 16						
8. APP CODE See Blk 16		11. AS OF DATE See Blk 16		13. DATE OF SUBSEQUENT SUBMISSION See Blk 16		14. DISTRIBUTION <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="flex-grow: 1;">a. ADDRESSEE</div> <div style="text-align: right;">b. COPIES</div> </div> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center; font-size: small;">Final</th> </tr> <tr> <th style="text-align: center; font-size: x-small;">Dist</th> <th style="text-align: center; font-size: x-small;">Reg</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td></td> </tr> </tbody> </table>	Final		Dist	Reg	1	
Final												
Dist	Reg											
1												
16. Remarks BLOCK 4, 5, 8 and 10-15: Per TMCR 03-012, dated 4 Apr 2003				15. TOTAL <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="flex-grow: 1;">See Blk 16</div> <div style="text-align: right;">1</div> </div>								
G. PREPARED BY Maria A. Cofey		H. DATE 4 Apr 2003		I. APPROVED BY 		J. DATE 4/15/2003						

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

Enclosure (1)

**Form
Approved**

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A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY: TDP___X___ TM _____ OTHER _____	
D. SYSTEM/ITEM Fuel Quantity Test Set		E. CONTRACT/PR NO.		F. CONTRACTOR	
1. DATA ITEM NO. L012	2. TITLE OF DATA ITEM Calibration and Measurement Summary Report (CMRS)			3. SUBTITLE	
4. AUTHORITY (Data Acquisition Document No.) DI-QCIC-80278A		5. CONTRACT REFERENCE ILS SOW PARA 3.7.1		6. REQUIRING OFFICE NSWC Corona	
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY See Block 16	12. DATE OF FIRST SUBMISSION See Block 16	14. DISTRIBUTION	
8. APP CODE A		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION See Block 16	a. ADDRESSEE	b. COPIES
16. REMARKS Block 4: DID for guidance only. Contractor format is acceptable. Block 10: Preliminary and Final. Blocks 12/13: Preliminary CMRS shall be submitted 90 days after CMRS guidance conference, which shall be coordinated with NSWC Corona. The government (NSWC Corona) shall submit review comments with recommendation for approval/disapproval to program office 30 days upon receiving the CMRS. Final CMRS required 30 days from receipt of government comments. Deliver as hardcopy and electronically in an MS Windows word processor or spreadsheet compatible format. Mailing address for NSWC Corona: Department of the Navy Measurement Science Directorate (MS41) Corona Division, Naval Surface Warfare Center PO Box 5000 Corona, CA 92878-5000				NSWC Corona Code MS41	Final Dra ft Reg Rep ro
				NAWCADLKE 3.1.4.4 (MS)	1 1
				15. TOTAL	
G. PREPARED BY N. Elder		H. DATE 3/21/2003	I. APPROVED BY <i>Malcolm Stillman</i>		J. DATE 4/15/2003

17. PRICE GROUP	
18. ESTIMATED TOTAL PRICE	

CONTRACT DATA REQUIREMENTS LIST

(1 Data Item)

Form Approved

OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302 and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. Listed in Block E.

A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY: TDP <input checked="" type="checkbox"/> X <input type="checkbox"/> TM <input type="checkbox"/> OTHER <input type="checkbox"/>					
D. SYSTEM/ITEM Fuel Quantity Test Set			E. CONTRACT/PR NO.		F. CONTRACTOR				
1. DATA ITEM NO. L013		2. TITLE OF DATA ITEM Technical Report			3. SUBTITLE Instrument Calibration Procedures				
4. AUTHORITY (Data Acquisition Document No.) See Block 16			5. CONTRACT REFERENCE ILS SOW PARA 3.7.2		6. REQUIRING OFFICE NSWC Corona				
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY See Block 16		12. DATE OF FIRST SUBMISSION 180 DAC		14. DISTRIBUTION			
8. APP CODE A	11. AS OF DATE		13. DATE OF SUBSEQUENT SUBMISSION See Block 16		a. ADDRESSEE		b. COPIES		
					Draft		Final Reg. Repro		
16. REMARKS Block 4: NA-17-35TR-04 and MIL-M-38793A shall be used as guidance. Contractor format is acceptable. Block 10 & 13: The government (NSWC Corona) will review, comment, and approve or disapprove data provided. The contractor has 60 days to resubmit if rejected. Incorporation of comments required for approval. Incremental submissions with final delivery 90 days after CMRS approval from NSWC Corona. Deliver as hardcopy and electronically in an MS Windows word processor or spreadsheet compatible format. Mailing address for NSWC Corona: Department of the Navy Measurement Science Directorate (MS41) Corona Division, Naval Surface Warfare Center PO Box 5000 Corona, CA 92878-5000					NSWC Corona Code MS41		1	1	
					NAWCADLKE 3.1.4.4 (MS)		1	1	
					15. TOTAL				
G. PREPARED BY Nancy Elder		H. DATE 3/21/2003		I. APPROVED BY <i>Melvin Stillabower</i>		J. DATE 4/15/2003			

17. PRICE
GROUP

18. ESTIMATED

TOTAL
PRICE